

IN THE CLAIMS

1. (Currently Amended) A battery comprising:

a cathode comprising a cathode current collector, an external cathode region having an active material layer only on the external side of the cathode current collector, an exposed cathode region wherein no active material layer is provided, and a both sides cathode region having an active material layer on both sides of the cathode current collector;

an anode comprising an anode current collector, an external anode region having an active material layer only on the external side of the anode current collector, an exposed anode region wherein no active material layer is provided, and a both sides anode region having an active material layer on both sides of the anode current collector; and

an electrolyte;

wherein the electrolyte contains comprising propylene carbonate, ethylene carbonate, a low viscosity solvent having a boiling point of 150°C or less, a carbonic acid ester of an unsaturated compound and a lithium salt; and a content of the propylene carbonate is from 5 wt% to 20 wt%, and a content of the carbonic acid ester is from 0.3 wt% to 3 wt%.

2. (Currently Amended) A battery according to claim 1, wherein the electrolyte contains at least either vinylethylene carbonate or vinylene carbonate as the carbonic acid ester ethyl methyl carbonate, dimethyl carbonate, or diethyl carbonate as a low viscosity solvent.

3. (Currently Amended) A battery according to claim 1, wherein the cathode and the anode ~~comprise current collectors having a pair of facing faces, and active material layer provided on the current collectors; the cathode and the anode are layered and wound with the electrolyte in between to form a winding body; and at least either the cathode or the anode comprises one or more circuits of an exposed region wherein no active material layer is provided at least either at the a center side of the winding body or at the a peripheral side of the winding body.~~